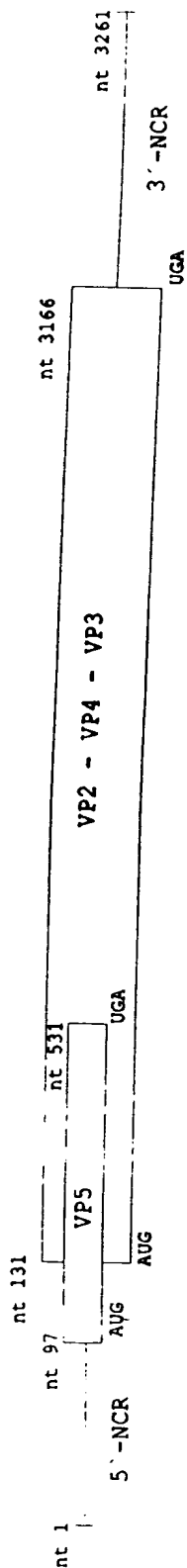


Genomic organization of segment A of strain D78 and segment B of strain P2

D78 segment A



P2 segment B

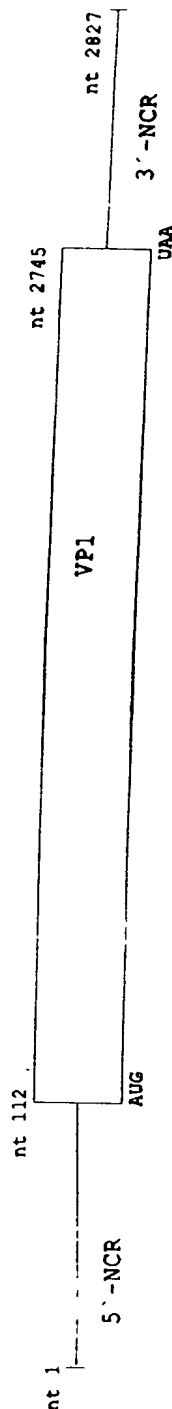


Figure 1

The figure shows three plasmid constructs: pAD78/EK, pAD78/VP5⁻, and pBP2. Each construct is represented as a circular map with various genetic elements labeled.

- pAD78/EK:** Contains the nt1 sequence, a 5'-NCR region, the VP5 gene, the VP2-VP4-VP3 region, a 3'-NCR region, and the nt3261 sequence. Restriction sites for EcoRI, NdeI, BstXI, KpnI, and Δ Nde I are indicated.
- pAD78/VP5⁻:** Similar to pAD78/EK, but with a different VP5 gene structure. It also contains the nt1 sequence, 5'-NCR, VP2-VP4-VP3, 3'-NCR, and nt3261. Restriction sites for EcoRI, NdeI, BstXI, KpnI, and Δ Nde I are indicated.
- pBP2:** Contains the nt1 sequence, a 5'-NCR region, the VP1 gene, a 3'-NCR region, and the nt2827 sequence. Restriction sites for EcoRI and PstI are indicated.

A detailed view of the VP5 gene structure is provided, showing the amino acid sequence and the corresponding DNA sequence. The sequence is as follows:

Leu	Ser	Leu	Met	Val	Ser
CTA	TCA	TTG	ATG	GTT	AGT
...
CTA	TCC	TTA	AGG	GTT	AGT
Leu	Ser	Leu	Arg	Val	Ser

The sequence is flanked by Afl II restriction sites.

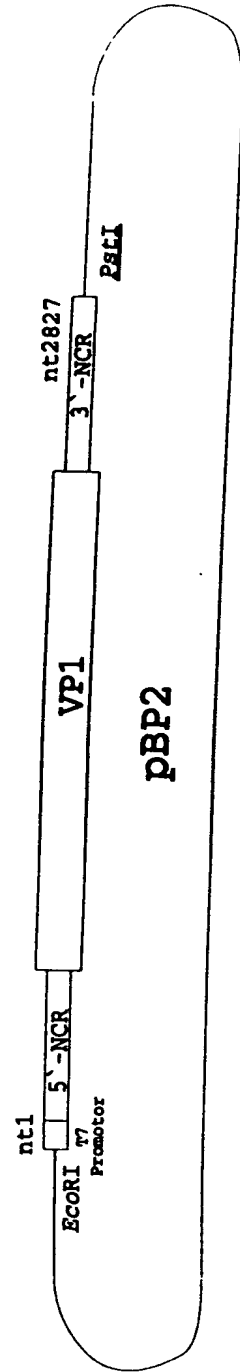


Figure 3

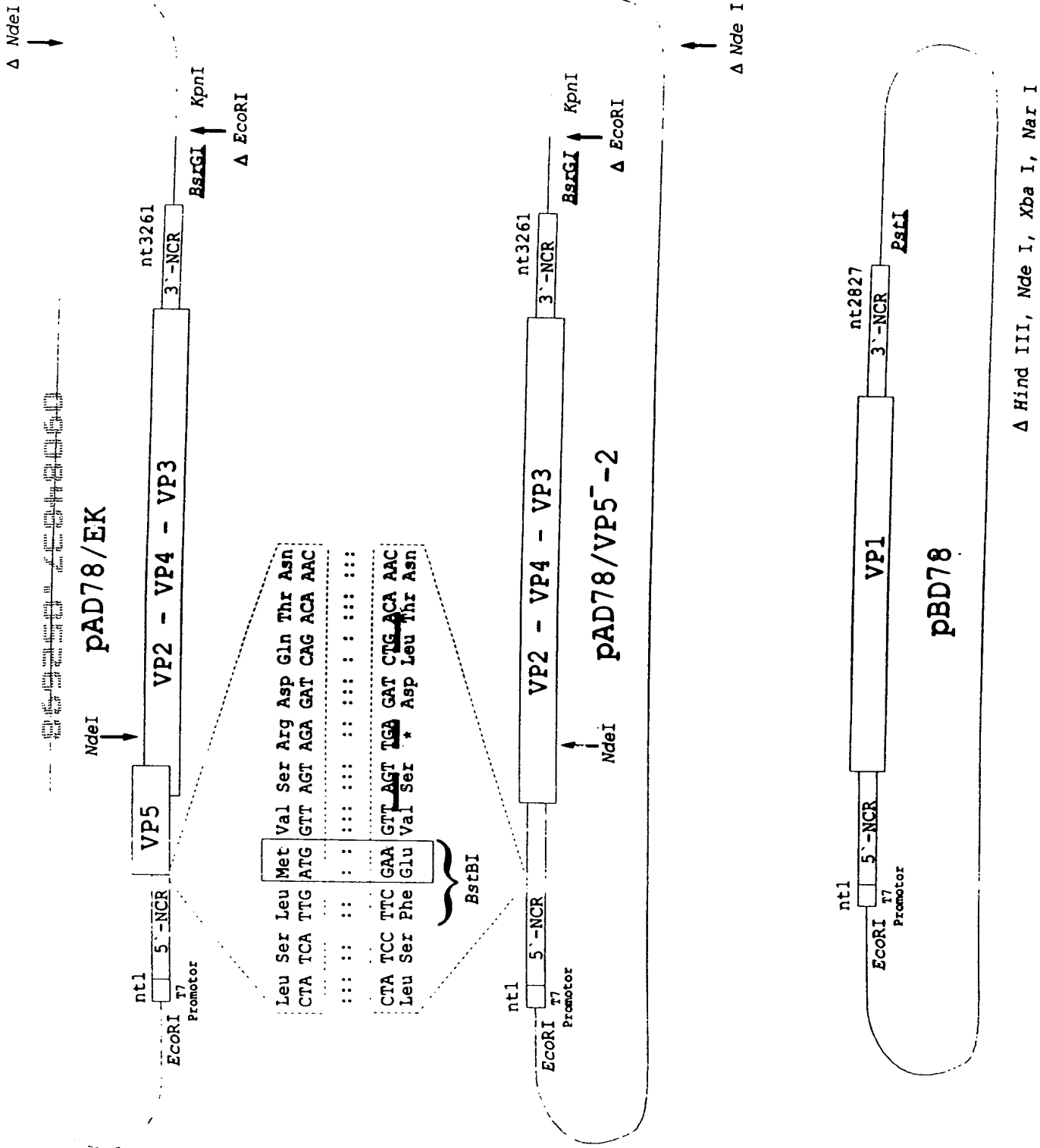


Figure 4

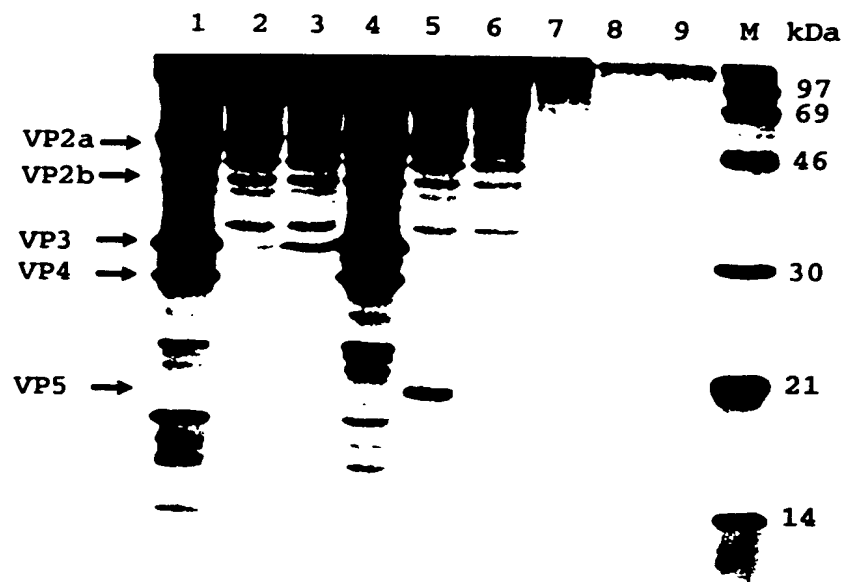


Figure 5

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